

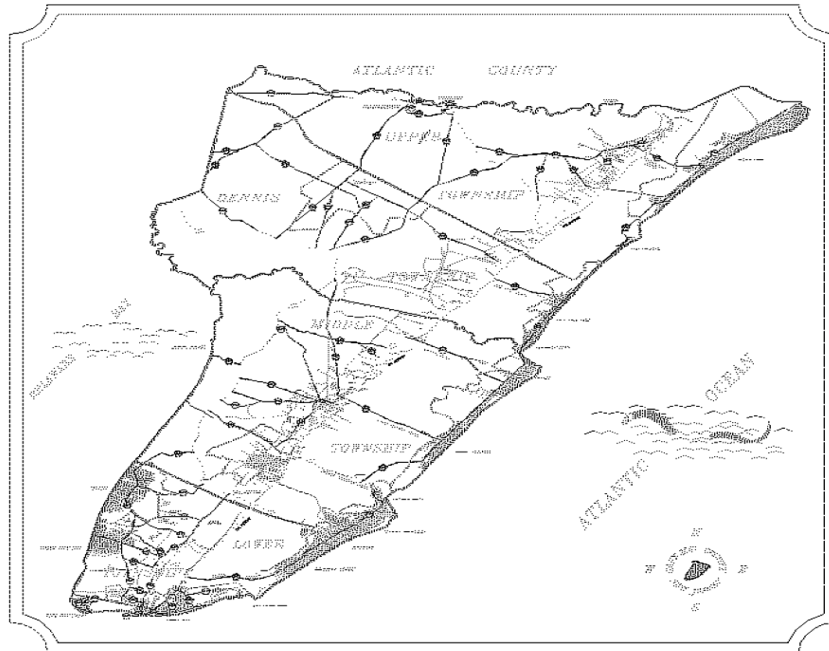
A detailed nautical chart of Cape May County, New Jersey, showing the Delaware River, Intracoastal Waterway, and surrounding land areas. The chart includes various navigational markers, depth soundings, and labels for local landmarks and infrastructure. Overlaid on the chart is the title text in yellow and black.

Cape May County

2013 Transportation Conference
Cape May County Infrastructure Update

County Infrastructure

- 23 Bridges
- 5 Commission Bridges
- 210 miles of Roadways
- 110 County Traffic Signals
- Maintain over 120 municipal traffic signals



October 29, 2012 - SANDY



Debris Removal



Landis Avenue (CR619) in Whale Beach

Roadway covered with up to 4-feet of sand and debris



View from atop of the dune

Landis Avenue (CR619) in Whale Beach

Sand covered from 15th Street in
SIC to Prescott Ave in UT



In between dune crossovers,
deep pockets of water

Ocean Drive (CR619) at Townsend's Inlet

Waves crashing
over the seawall



Ocean Drive (CR619) at Townsends Inlet

Portion of Ocean Drive near the south end of the seawall destroyed



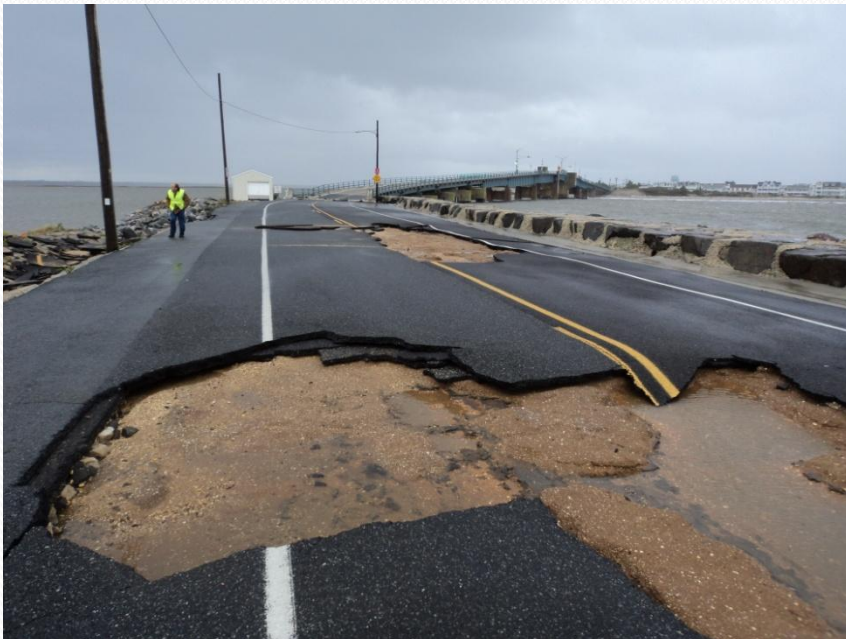
Ocean Drive (CR619) at Townsends Inlet

Waves gouged a 4-foot deep crater in Ocean Drive behind the seawall

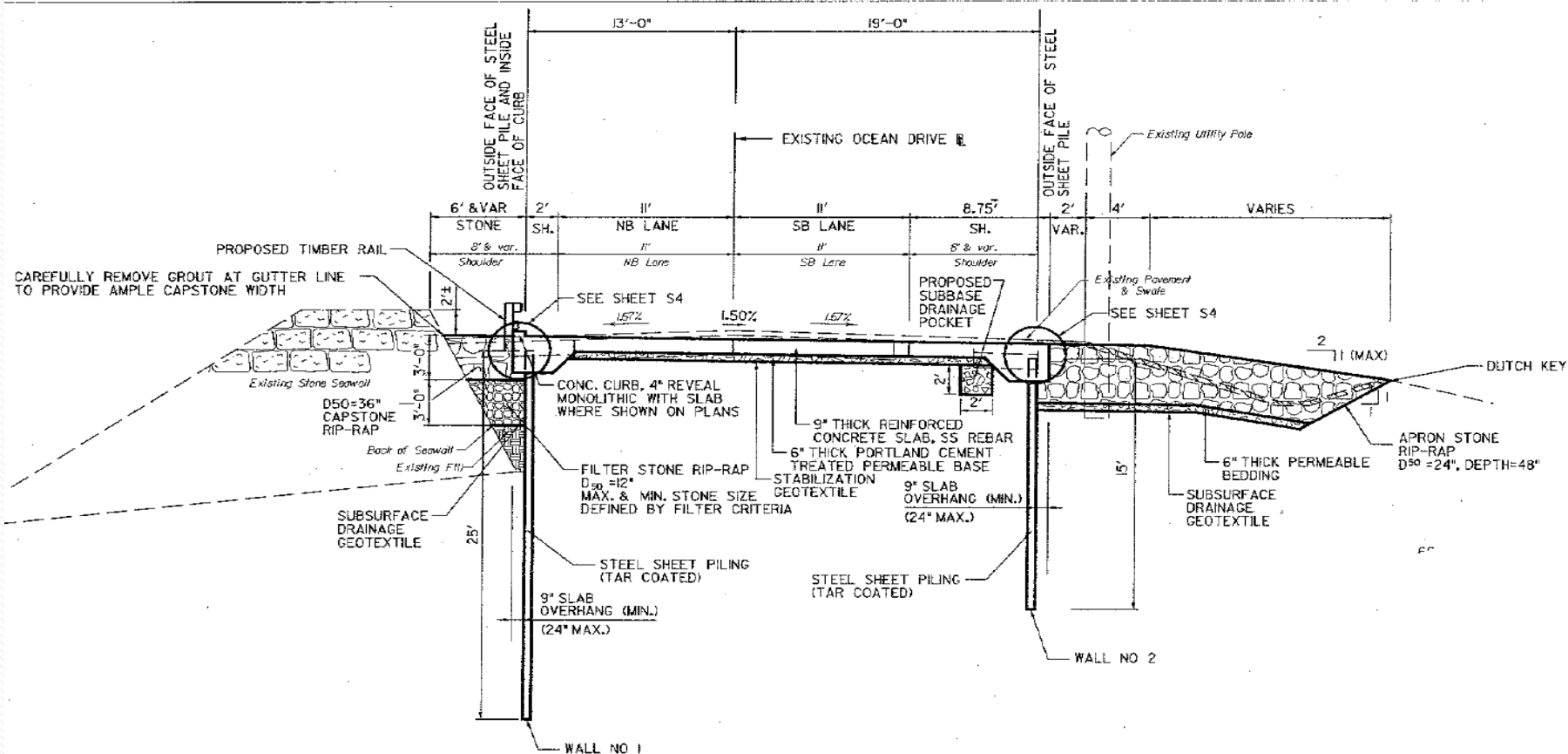


Ocean Drive (CR619) at Townsends Inlet

Other sections of Ocean Drive damaged by wave action



Railing on the approach to the bridge was displaced and undermined



OCEAN DRIVE
 STA. 46+45 TO 60+00
 (LOOKING SOUTH)

Storm Damage Restoration Projects

- Ocean Drive (CR619) Roadway Restoration from 4th Avenue to Townsends Inlet Bridge in Avalon
- Ocean Drive (CR619) Revetment Wall Restoration and Scour Protection from Corsons Inlet Bridge to Rush Chatten Bridge in Upper Township
- Beach Avenue (CR604) Pavement Restoration from Howard Street to Jefferson Street in Cape May City
- Commonwealth Avenue/Landis Avenue Pavement Restoration from 15th Street in Sea Isle City to Jasper Avenue in Upper Township
- Middle Thorofare Bridge North Abutment Slope Restoration and Scour Protection in Lower Township
- Cape Island Creek Tide Control Gate Repairs in Cape May City and West Cape May
- Beach Avenue (CR604) Outfall Pipe Repairs in Cape May City

Townsend's Inlet Bridge

12/26/2012 Allison

Pier 11 Ocean End



Pier 11 Navigational Channel Face

Townsend's Inlet Bridge



Pier 10 Navigational Channel Face

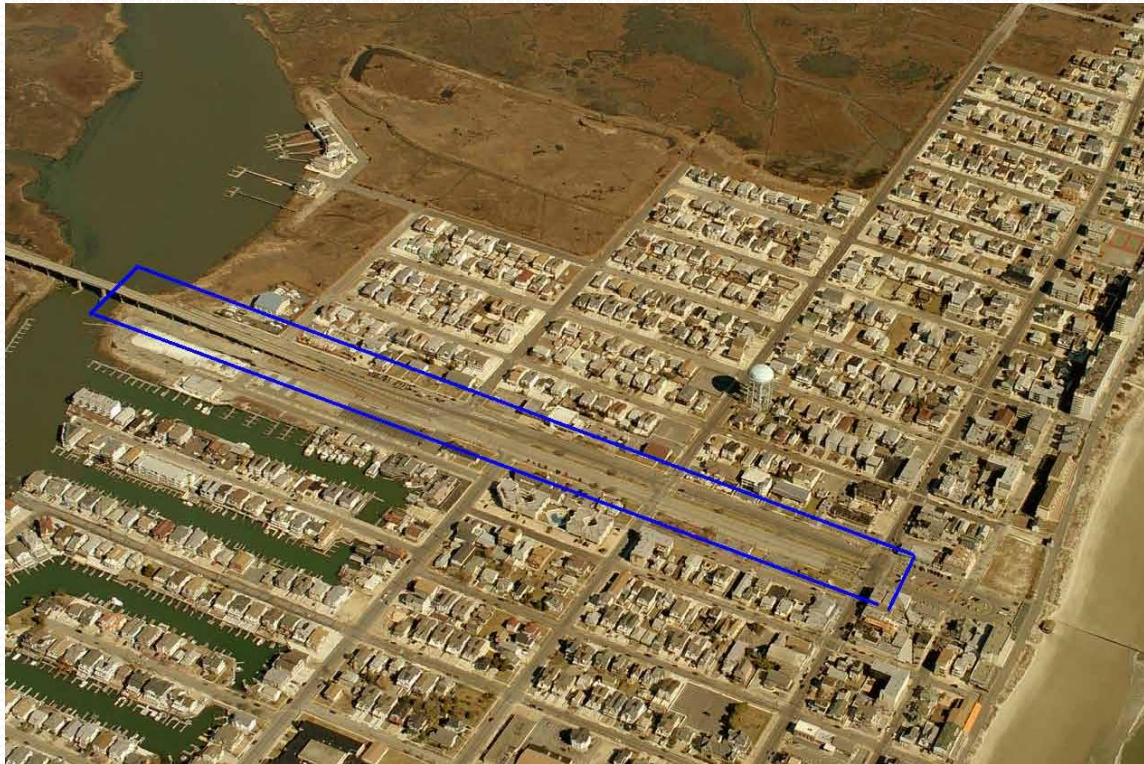


Pier 10 Ocean End

Projects currently under Construction

- Landis Avenue (CR619) Resurfacing Improvements in Sea Isle City
- Lincoln Avenue (CR651) Resurfacing Improvements in Cape May Point
- Bayshore Road (CR607) Resurfacing Improvements in Lower Township
- 2012 Miscellaneous Drainage Improvements in Avalon, Cape May City, Dennis Township and Ocean City
- 2012 Pavement Marking Improvements

JFK Boulevard/Veterans Boulevard (CR625) Improvements



- Roadway and Drainage Improvements on JFK Boulevard (including LaRosa Way) from Landis Avenue to Ludlam Thorofare and Landis Avenue from JFK Blvd to 40th Street
- Wider sidewalks with bulb-outs at intersections
- New Traffic Signal at JFK Blvd and Park Avenue and Upgraded Signals at other intersections
- Incorporates streetscaping

JFK Boulevard/Veterans Boulevard (CR625) Improvements

- Coordinated with Sea Isle City Beach-to-Bay Corridor Program
- 2012 Federal-Aid Local Lead project
- \$ 3,773,000 construction project
- Contractor: Asphalt Paving Systems, Inc. with Delta Line Construction, Inc.
- Designer: Urban Engineers, Inc./Maser Consulting, P.A.
- Inspector: Pennoni Associates, Inc.



Projects under Design

- Hope Corson Road (CR671) Drainage and Resurfacing Improvements from NJ Route 50 to US Route 9 in Upper Township
- Traffic Signal Improvements at Various Intersections
- Resurfacing Improvements to Indian Trail Road (CR618) from Shunpike Road to US Route 9 and Hand Avenue from Dias Creek Road to Boyd Street in Middle Township – advertisement summer 2013
- Woodbine – Ocean View Road (CR550) and US Route 9 Intersection Improvements in Dennis Township
- Roosevelt Boulevard (CR623) Drainage Improvements in Upper Township
- Landis Avenue (CR619) Outfall Pipe Upgrades and Repairs in Sea Isle City

Townsend's Inlet Bridge Rehabilitation of Movable and Tollhouse Spans

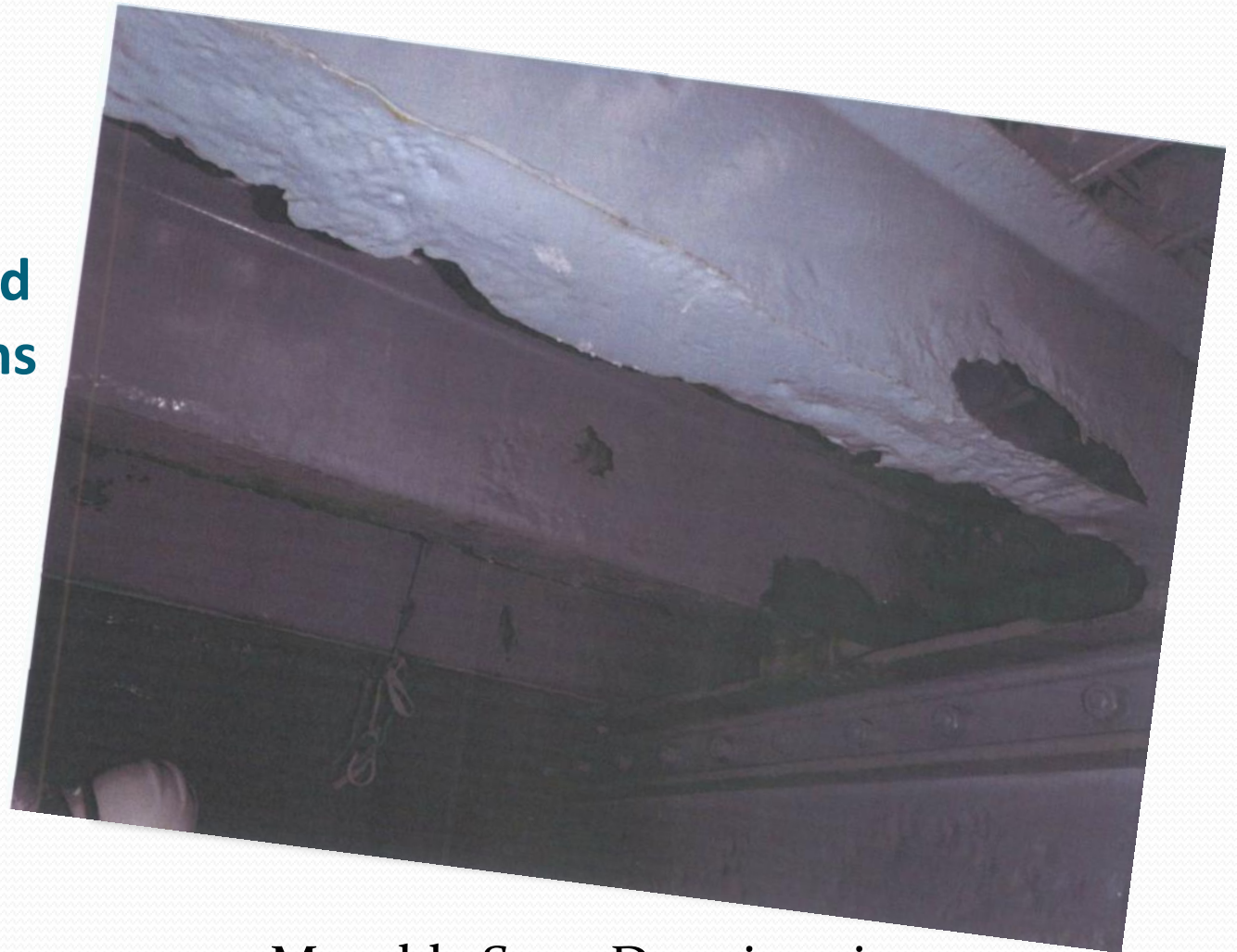
- Currently Load Posted at 3 Tons
- Bridge Originally Designed for 17.5 Ton Truck
- Cleaned and Painted in 2010 using ARRA funds



Movable Span Deterioration

Townsend's Inlet Bridge Rehabilitation of Movable and Tollhouse Spans

- Modjeski and Masters, Inc. preparing contract documents
- Construction offseason 2013-14
- Partially funded with State-Aid



- Movable Span Deterioration

17th Street Culvert



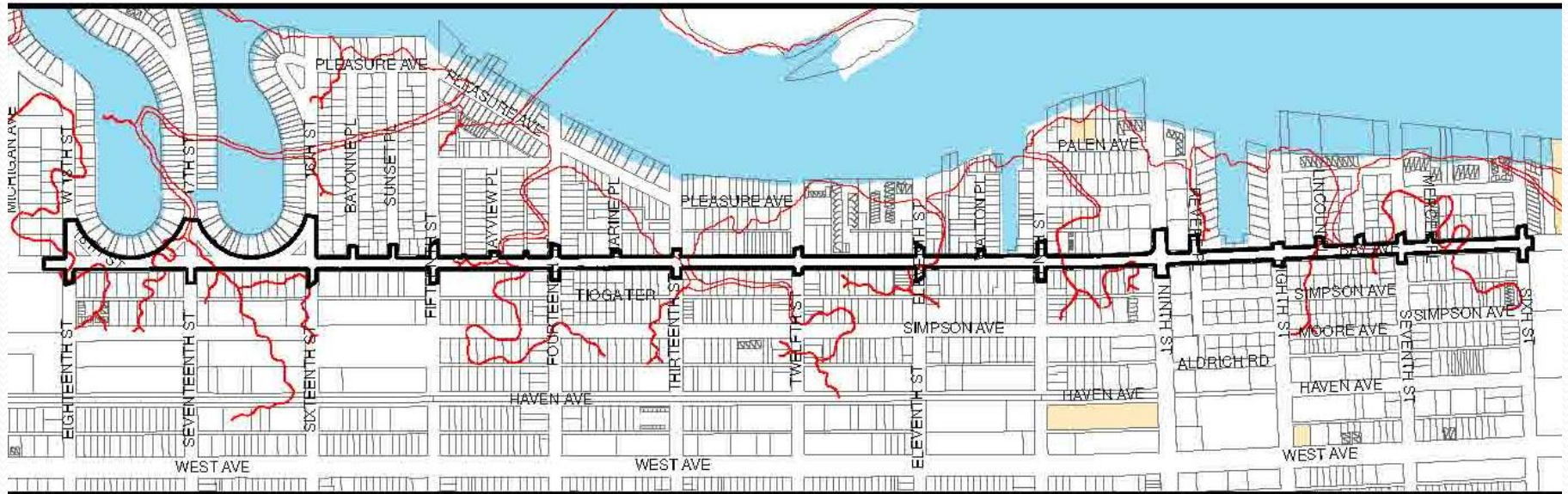
- *Corrugated Aluminum Plate Arch Structure*
- *Minor bridge about 19 ft long*
- *North walkway closed due to deterioration of piles*
- *South walkway exhibits deterioration*
- *Scour hole due to drain pipe next to bridge footing*

17th Street Culvert

- *French & Parrello Associates, P.A. preparing plans for rehabilitate the culvert*
- *Public Information Meeting will be held to discuss the alternatives studied and construction impacts*
- *Project will require permits or approvals from NJDEP, USACE, USCG, USF&W, NJDOT, Tidelands Council and others.*
- *Require relocation of utility facilities*



Bay Avenue (CR656) Improvements



From 6th Street to 18th Street

Bay Avenue (CR656) Improvements

- \$4,000,000 construction project
- \$884,000 in FY2013 Federal Funds
- Urban Engineers, Inc., Designers
- Construction anticipated in 2013-14



Bay Avenue (CR656) Improvements

Work Program:

- *Reconstruct roadbed*
- *Bring the sidewalks into ADA compliance*
- *Review stormwater runoff*
- *Restripe roadway and install crosswalk markings*



CountyWide Wayfinding

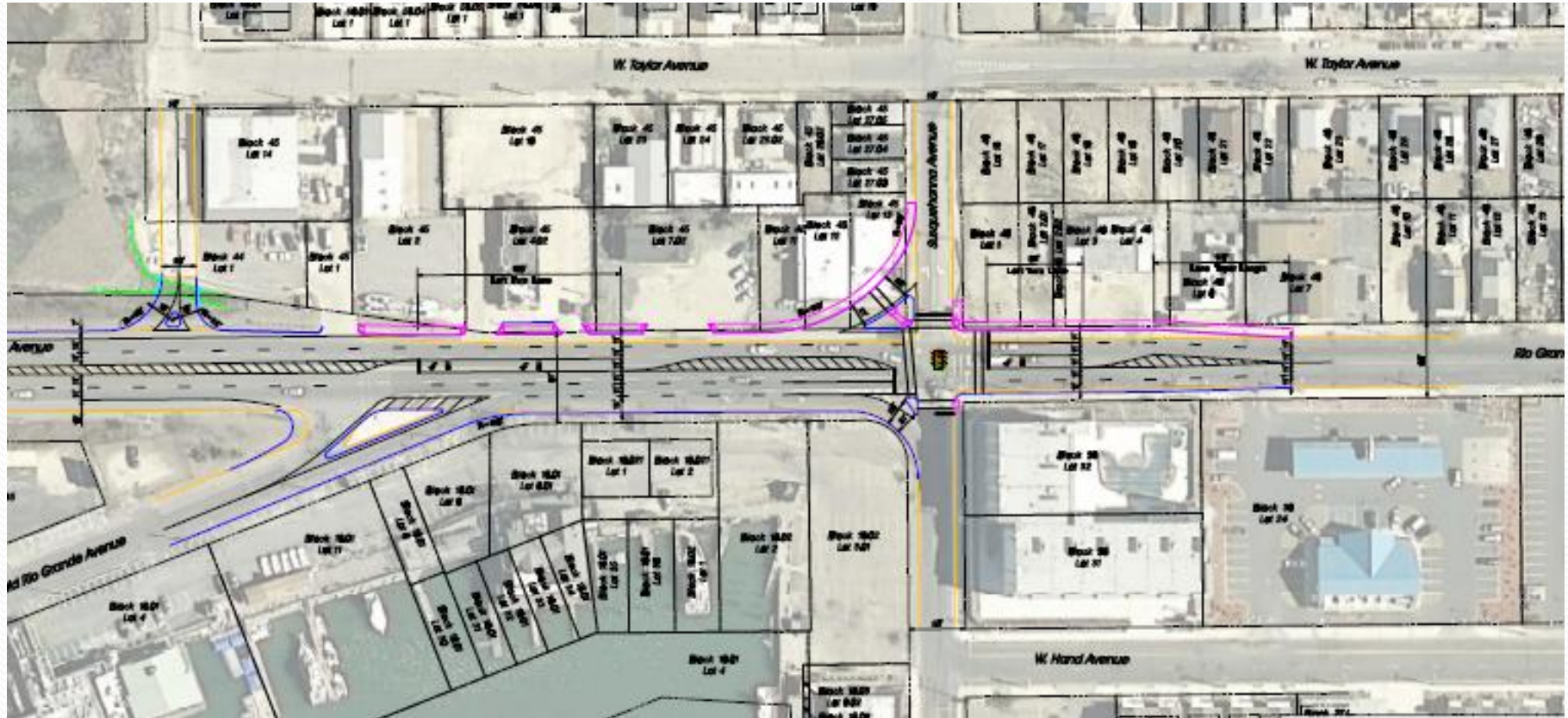
- *Cloud Gehshan Associates, Philadelphia, PA*
- *Examples of their work:*
 - *City of Millville*
 - *Benjamin Franklin Parkway*
 - *Fairmont Park*
 - *Penn's Landing*
 - *Morris County Park Commission*
 - *Longwood Gardens*



CountyWide Wayfinding

- Develop a comprehensive wayfinding signage system that is not only effective for directing visitors and residents, but also preserves and enhances the unique qualities of each community.
- Multi-phase program
- Anticipate the following sign types:
 - Municipality/Community gateway signs
 - Vehicular trailblazers
 - Vehicular directional signs
 - Identification signs for attractions and services
 - Interpretive signs

Rio Grande Avenue (CR661) Improvements



Projects Expected to go to Design Phase

- Commonwealth Avenue (CR619) Resurfacing Improvements from Sea Isle City border to Corsons Inlet Bridge in Upper Township
- Corsons Tavern Road (CR628) Resurfacing Improvements from Kings Highway in Dennis Township to US Route 9 in Upper Township – Federal Aid Construction Project
- Lafayette Street (CR633) Resurfacing Improvements from Jackson Street to Sidney Avenue in Cape May City
- Delaware Avenue (CR640) Shoreline Protection in Cape May City
- Cape Island Creek Pipe in Cape May City
- Third Avenue (CR619) Stormwater Infrastructure Improvements in Stone Harbor
- Schellenger Landing Bridge Improvements in Cape May City and Lower Township – State-Aid Construction Project

Roosevelt Boulevard (CR623) Bridge Deck Rehabilitation

- *Years of repairs has created a checkerboard of patches*
- *Some decks are to be replaced in their entirety*
- *Most decks are to be scarified to below the top rebar and replaced*



Roosevelt Boulevard (CR623) Bridge Deck Rehabilitation

- *\$5+ million project*
- *Construction anticipated Fall 2014*
- *One lane closure for months*





THANK YOU

QUESTIONS?

Contact Cape May County Engineer's Office

At: (609) 465-1035 or at

countyengineer@co.cape-may.nj.us

Or visit us at the County's website at:

capemaycountygov.net